



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/889,866
Source: PUR/09
Date Processed by STIC: 1/24/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u>
		<u>09/889,866</u>

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences (NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial-Sequence
- 11 Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,866

DATE: 01/24/2002

TIME: 12:33:02

Input Set : A:\Mwh0008.app
 Output Set: N:\CRF3\01242002\I889866.raw

Does Not Comply
 Corrected Diskette Needed

3 <110> APPLICANT: Denton, R. Rex
 4 Kliem, Stefanie E.
 5 Nandabalan, Krishnan
 6 Stephens, J. Claiborne
 8 <120> TITLE OF INVENTION: DRUG TARGET ISOGENES: POLYMORPHISMS IN THE
 9 IMMUNOGLOBULIN E RECEPTOR BETA CHAIN GENE
 11 <130> FILE REFERENCE: MWH-0008US IGERB *move this onto the <130> line; otherwise,*
it's considered an error
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 W--> 12 <211> LENGTH: *ignore*
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 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/889,866
 15 <141> CURRENT FILING DATE: 2001-07-20
 17 <150> PRIOR APPLICATION NUMBER: 60/150,423
 18 <151> PRIOR FILING DATE: 1999-08-24
 20 <150> PRIOR APPLICATION NUMBER: PCT/US00/22175
 21 <151> PRIOR FILING DATE: 2000-08-11
 23 <160> NUMBER OF SEQ ID NOS: 145
 25 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

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 29 <212> TYPE: DNA
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1
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 39 ttcaactgcc tattcagagc atgcagtaag aggaaatcca ccaagtctca atataataat 420
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pp 2-3, 5

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DATE: 01/24/2002

TIME: 12:33:02

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 → see item 9

3665

3498

3621

3684

3686

3568

3627

RAW SEQUENCE LISTING

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DATE: 01/24/2002

TIME: 12:33:02

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376

377C

3810

3847 item 9
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,866

DATE: 01/24/2002
TIME: 12:33:02

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190 agattgtgaa agtgcacg acaatcacac aacaaataat taagtactt ggtatgtttt 9480
191 attaattgtt agggctgag ttggccatt ctcatttttcaaaaataat tttttttttt tttttttttt 9540
192 ccaaatttqa cagcagaata aaaaccctac cctttcactg tttttttttt tttttttttt 9600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,866

DATE: 01/24/2002
TIME: 12:33:02

Input Set : A:\Mwh0008.app
Output Set: N:\CRF3\01242002\I889866.raw

193	ctctactctt gatcatctgt aggtattaaat cacatcaatt ccatggcatg gatgttcaca	9660
194	tacagactct taaccctgggt ttaccaggac ctcttaggagt ggatccaatc tatactttta	9720
195	cagttgtata gtatatgata tctcttttat ttcaactcaat ttatattttc atcattgact	9780
196	acatatttct tatacacaac acacaattta tgaattttt ctcaagatca ttctgagagt	9840
197	tgcggccacc tacctgcctt ttatagtacg cccacctcag gcagacacag agcacaatgc	9900
198	tggggttctc ttcacactat cactgccccaa aattgtttt ctaaatttca acttcaatgt	9960
199	catcttctcc atgaagacca ctgaatgaac acctttcat ccagccttaa tttcttgctc	10020
200	cataactact ctatcccacg atgcagtatt gtatcattaa ttattagtgt gcttgacc	10080
201	tccttatgtt ttctcaatta cctgttattt tgcaataaaat tggaaaatgt taacttgatt	10140
202	tcttatctgt gtttgtttt gcatgcaaga tttaggtact tatcaagata atgggaattt	10200
203	aaggcatcaa taaaatgtat ccaaagacca agagcagttt ctgaagtctt cctttcatc	10260
204	agctctttat caaacagaac actctataaa caaccatag ccagaaaaca ggatgttagga	10320
205	acaatcacca gcacactcta taaaacaaccc atagccagaa aacagaatgt aaggacaatc	10380
206	accagccatc ttttgcataat aattgtatgga atagagttga aaggaactgg agcatgagtc	10440
207	atatttgacc agtcagtcct cactcttatt tacttgctat gtaaaacttga gaaagctttt	10500
208	ttctctttgtt gaacctcagg ttttacatct gaaaatgaga aatttggaaac aaaagattcc	10560
209	taactggctt ttctgttccc atattctgtt attttcaat atttaggatt tttgttaatc	10620
210	acaattactt agtttgggt tgagatagca acacgaatca gaactatttq gggacat	10680
E--> 211	tttcaaaggaa gtagctctcc actttggta aagaagtgt gtttgtcg gttggctcacg	10740
212	cctgtaatcc cagcacttta gggaggccaa ggcgggtgg tcacgaggctc aggagatcga	10800
213	gaccatcctg gctaacacgg taaaaaccccg tctctactaa aaaatacaaa aaatttagcca	10860
214	ggcgtggcgg cgggcgcctg tagtcccacg tactoggag gotgaggcag gagaatggca	10920
215	tgaaccaggagg aggccggagct tgccgtgagc cgagatagcg ccactgcagt ccctccctggg	10980
216	aaaaagagca agactgcgtc taaaaaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa gtgtgtggag	11040
217	tagcaggaca cctgcaacaa taatattttt ctaaatccct ctgaaaaatg ctaatcaaag	11100
218	ggttttttcc ctaaaaaatttgc tcttagaaat aaaattccc ctttgggaga ccgaggctgg	11160
219	cagatcacga ggtcaggaga tagagaccac ggtgaaaccc cgtctctact aaaaatacta	11220
E--> 220	aaaatttagcc ³⁰ ggggggtgggt ggtgggtaca cctgttagtcc cagctacttg gaggctgagg	11280
221	ctggagaatc acgtgac	11298

11235

10723

Item 9

Item 9

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/889,866

DATE: 01/24/2002

TIME: 12:33:03

Input Set : A:\Mwh0008.app

Output Set: N:\CRF3\01242002\I889866.raw

L:12 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:12 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:12 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:12 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:12 M:200 E: Mandatory Header Field missing, <400> is required.
L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:82 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1
M:340 Repeated in SeqNo=1